

GENERAL CONSTRUCTION NOTES:

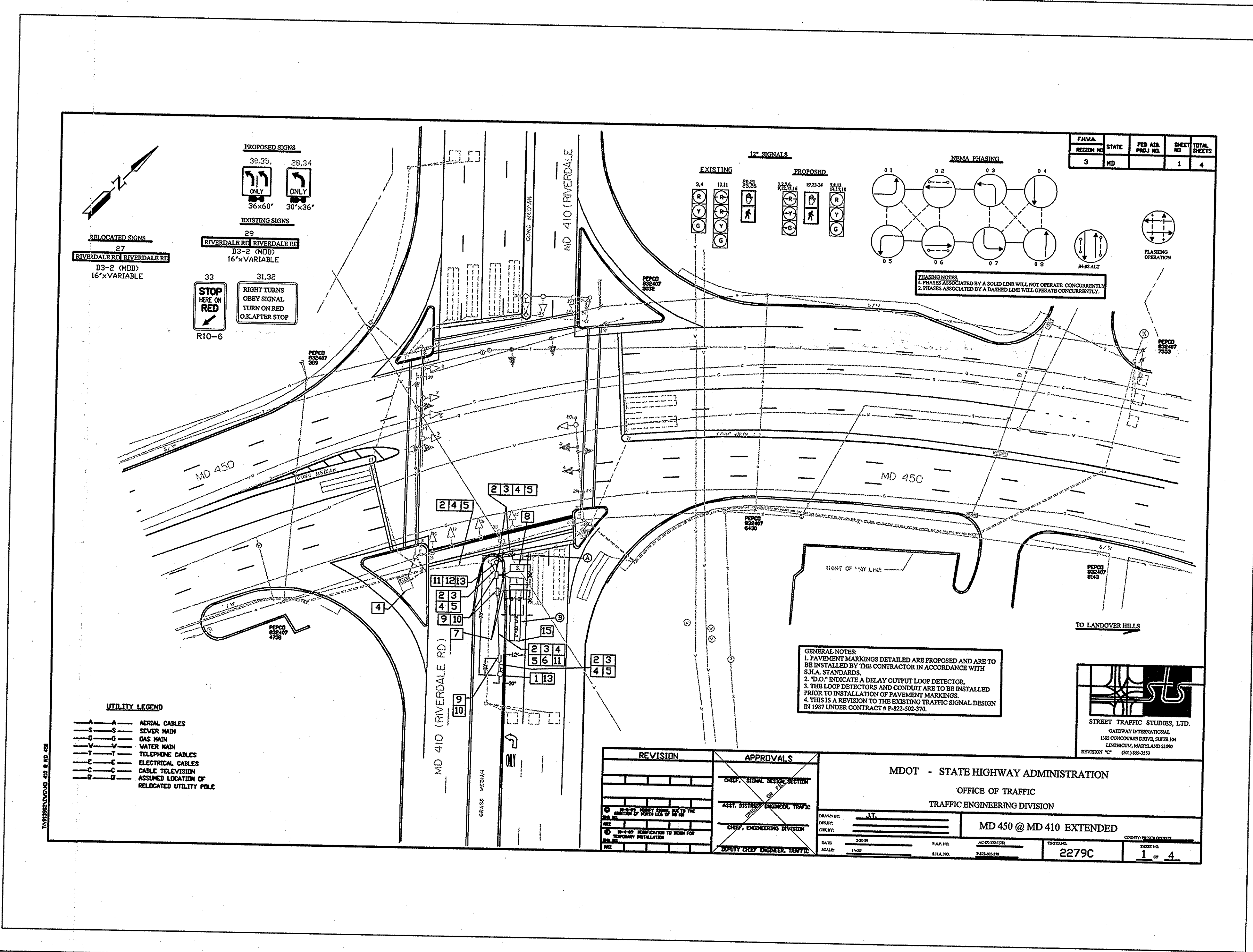
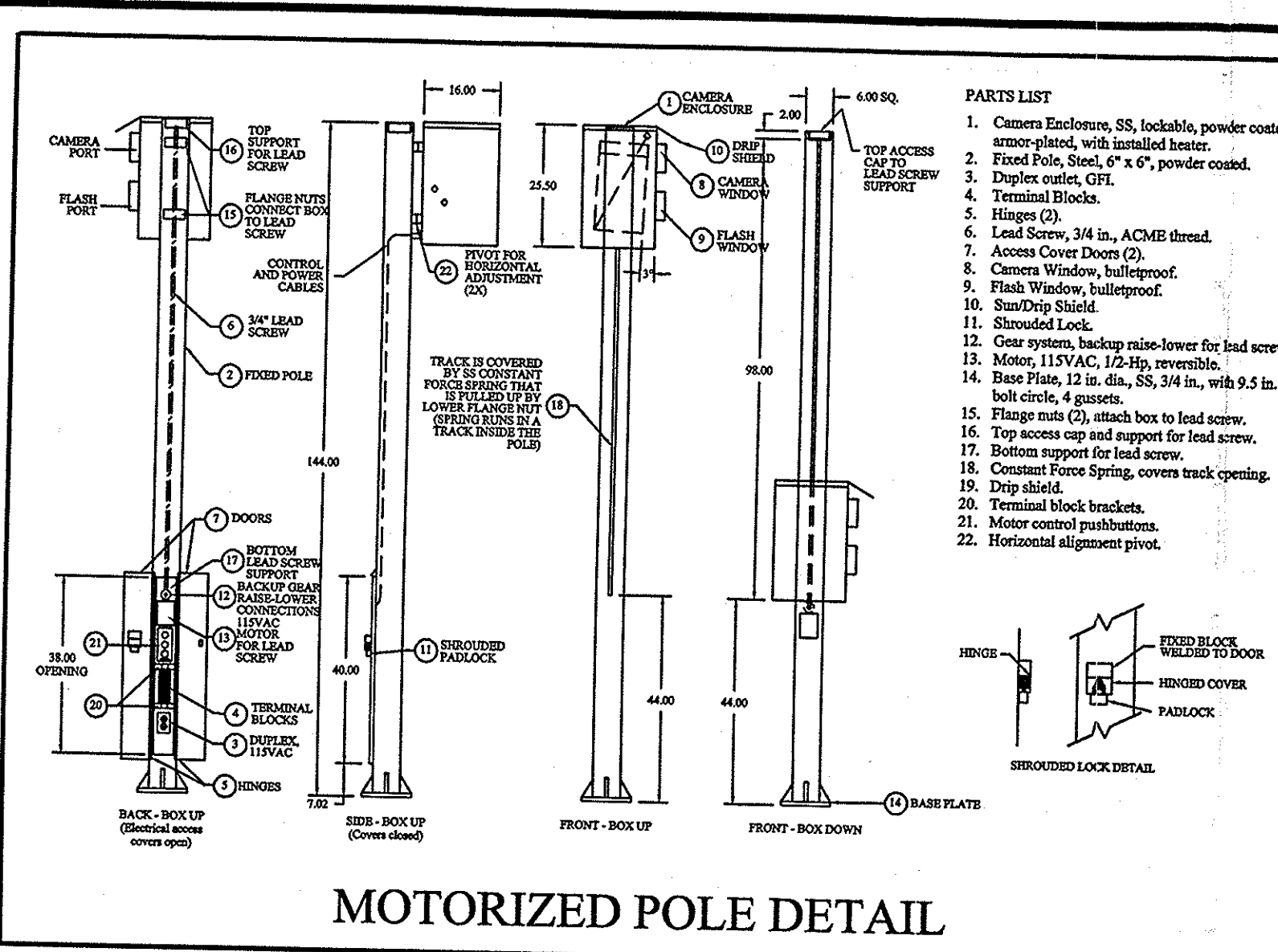
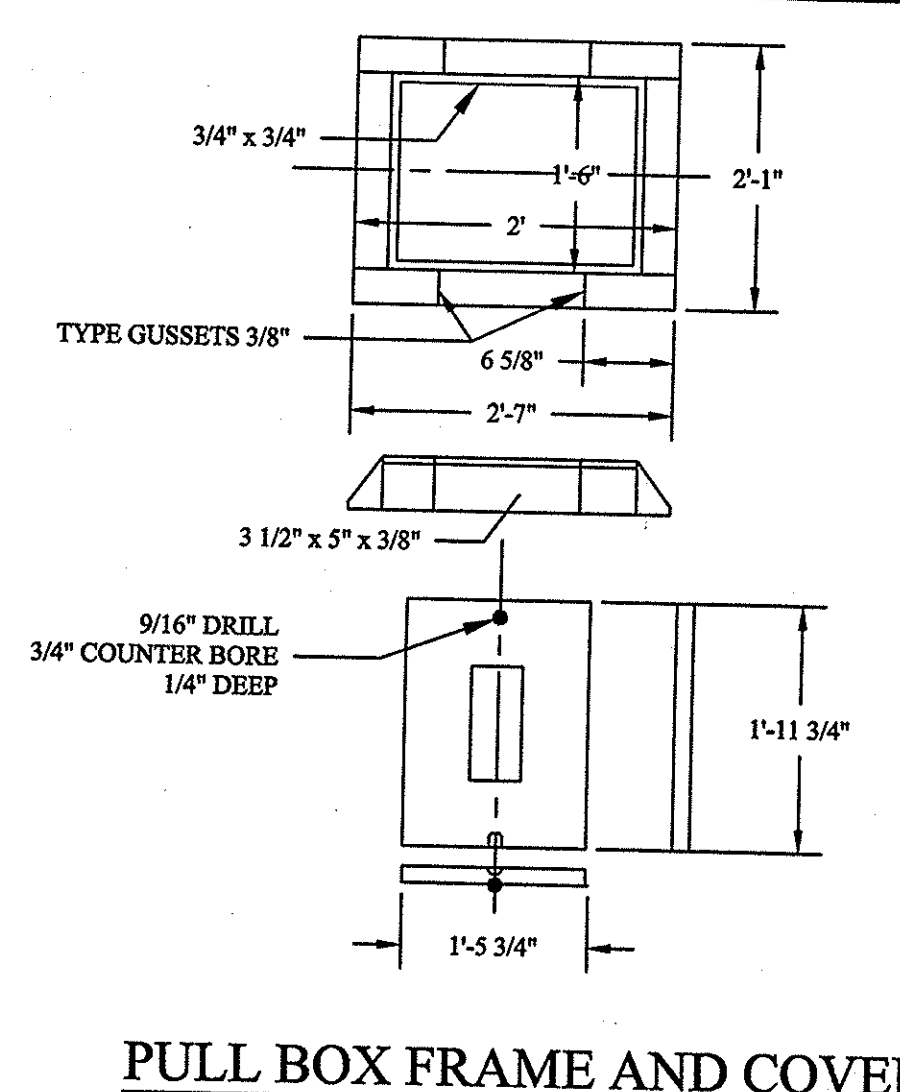
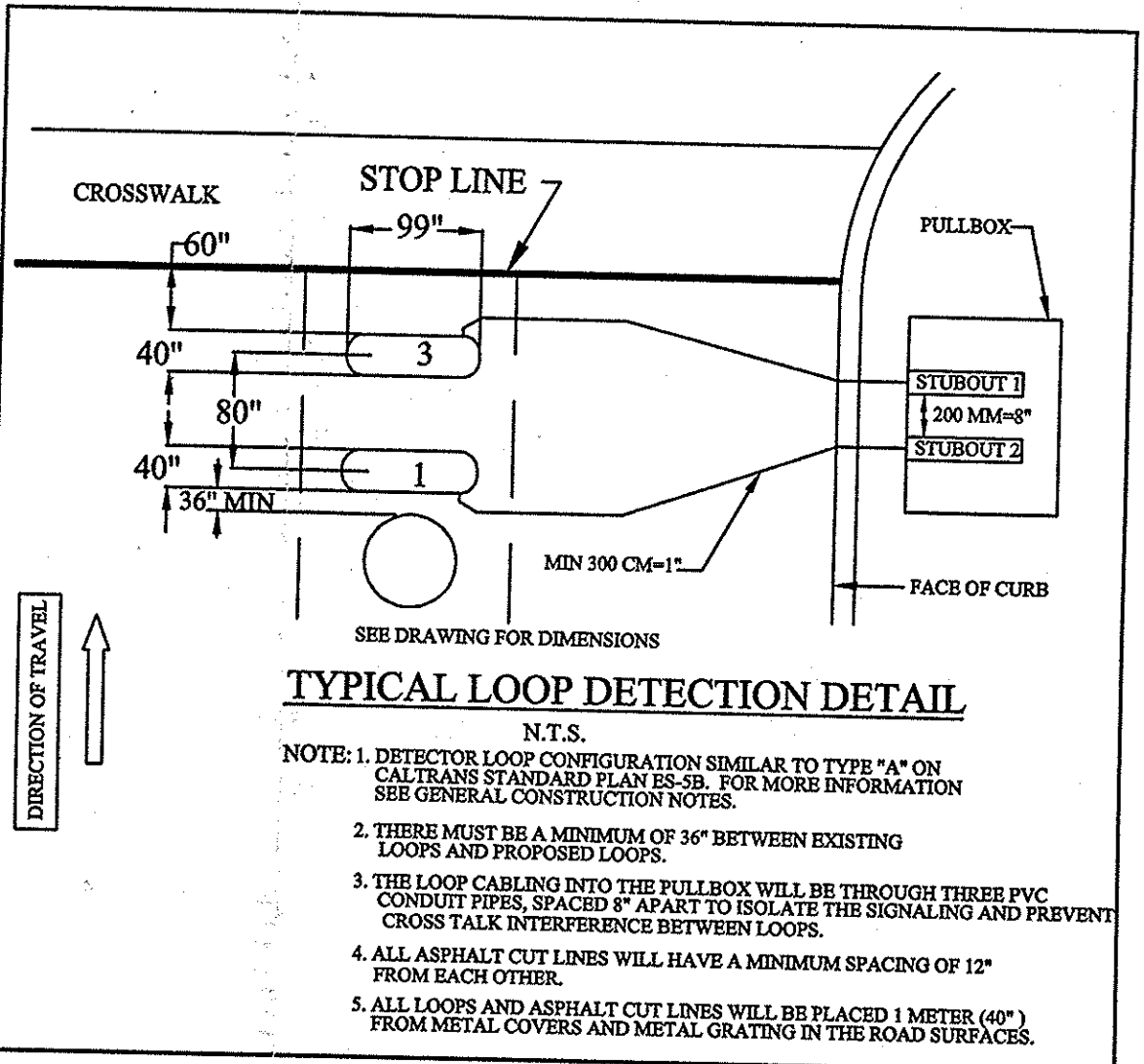
INSTALLATION AND CONSTRUCTION SHALL CONFORM TO THE STATE'S DEPARTMENT OF TRANSPORTATION-STANDARDS SPECIFICATIONS SECTIONS APPLICABLE AND STANDARD PLANS DATED AND EFFECTIVE FOR THE CURRENT YEAR AND ANY SPECIAL MUNICIPALITY CODE PROVISIONS.

1. THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES IS APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE LOCATION AND DEPTH OF ALL UTILITIES INCLUDING THOSE NOT SHOWN ON PLANS AND VERIFY ALL JOBSITE CONDITIONS, HAND EXCAVATE FOUNDATIONS UNTIL CLEAR OF ALL SUBSTRUCTURES AND PROTECT ALL FACILITIES DURING CONSTRUCTION. CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS FOR UNDERGROUND UTILITY REMOVAL OR LOCATION WITH RESPECTIVE UTILITY OWNERS AS MAY BE REQUIRED SUFFICIENTLY IN ADVANCE TO PREVENT DELAY IN THEIR OPERATIONS.
  2. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UNDERGROUND UTILITIES ENCOUNTERED IN AREAS WHERE EXCAVATIONS ARE INDICATED AND SHALL REPAIR ANY SUCH DAMAGE AT THEIR OWN EXPENSE WHERE UTILITY LINES MUST BE MAINTAINED UNDER STRUCTURE, THEY SHALL BE PROPERLY SLEEVED THROUGH FOUNDATION.
  3. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OR REPAIR OF ANY DAMAGE CAUSED BY THEM OR THEIR SUBCONTRACTORS.
  4. SUBCONTRACTOR SHALL OBTAIN A NO FEE RIGHT OF WAY PERMIT AND A NO FEE ENCROACHMENT PERMIT FROM THE CITY WHERE WORK WILL BE CONDUCTED PRIOR TO COMMENCEMENT OF WORK. ALL WORK WILL BE INSPECTED BY MD SHA FORCES.
  5. THE SUBCONTRACTOR IS REQUIRED AND MUST SUBMIT A WEEKLY SCHEDULE PRIOR TO START OF WORK EACH WEEK. (NO EXCEPTIONS)
  6. POLE DETECTOR AND EQUIPMENT LOCATIONS ARE APPROXIMATE. THE SUBCONTRACTOR SHALL VERIFY EXACT EQUIPMENT FIELD LOCATIONS WITH THE MDSHA TRAFFIC ENGINEER OR DIG ALERT/MISS UTILITY AND LMMS PRIOR TO INSTALLATION.
  7. CONDUCTOR SCHEDULE IS FURNISHED AS AN INSTALLATION GUIDE ONLY. IT SHALL BE THE SUBCONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS NECESSARY FOR THE INTENDED OPERATION.
  8. PROVIDE ANCHOR BOLT NUT COVERS FOR ALL STANDARDS.
  9. ALL PULLBOXES AND COVERS SHALL BE PRECAST CONCRETE. PULLBOXES SHALL BE MARKED "TRAFFIC SIGNAL" AND INSTALLED PER MD SHA STANDARD AND SPECIFICATIONS.
  10. ALL CONCRETE FORMS ARE TO BE INSPECTED BY LOCAL AUTHORITIES BEFORE CONCRETE IS PLACED.
  11. SUBCONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES DURING TRAFFIC SIGNAL INSTALLATION.
  12. ALL CONDUIT AND FITTINGS SHALL BE RIGID STEEL OR SCHEDULE 80 2" MINIMUM INSIDE DIAMETER AND CONFORM TO THE REQUIREMENTS OF UL PUBLICATIONS. UL6 FOR RIGID METALLIC CONDUIT UNLESS OTHERWISE INDICATED ON THIS PLANS.
  13. INDUCTIVE LOOPS SHALL BE 40" x 99" OR APPLICABLE (SEE DETAIL IN THE TECHNICAL SPECIFICATIONS) WITH (3) TURNS OF THE "TYPE 1" LOOP DETECTOR WIRE AND ELASTOMERIC SEALANT. PER LOCAL CODES THE LEAD IN RUNS WILL BE INSTALLED WITH (5) TURNS PER FOOT INTO THE STUBOUT PER COUNTY AND MDSHA STANDARDS. ALL CONDUITS SHALL BE 2" MINIMUM UNLESS OTHERWISE CHANGED OR NOTED ON PLANS.
  14. CONDUIT STREET CROSSINGS SHALL BE INSTALLED BY BORING AND JACKING METHOD EXCEPT WHERE TRENCHING IS SPECIFIED ON THE PLANS.
  15. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING AND COORDINATION WITH THE SERVING (ELECTRICAL) UTILITY COMPANY AND PAY REQUIRED FEES FOR SERVICE CONNECTIONS.
  16. SUBCONTRACTOR SHALL INSTALL ALL SUBSTRUCTURES ACCORDING TO LOCAL GOVERNING AGENCY FROST LINE REQUIREMENTS WHERE APPLICABLE.
  17. SUBCONTRACTOR IS TO BUILD AND MAINTAIN A CONSTRUCTION BARRICADE. (ALL NECESSARY LIGHTS, SIGNS, ETC. IF REQUIRED) FOR PROTECTION OF THE PUBLIC AS DIRECTED BY THE LOCAL AUTHORITIES.
  18. ALL SUBCONTRACTORS TO PROVIDE LIABILITY INSURANCE AND WORKERS' COMPENSATION BENEFITS IN ACCORDANCE WITH STATE LAW FOR ALL WORKERS AND AGENTS WHO WILL BE ON THE SITE AT ANY TIME WHILE PERFORMING WORK ON THIS PROJECT.
  19. ALL WORK SHALL BE IN ACCORDANCE WITH NEC, ALL LOCAL, STATE AND FEDERAL CODES, ORDINANCES AND ANY APPLICABLE AMENDMENTS.
  20. ALL DEBRIS, EXCESS MATERIAL, ETC. IS TO BE REMOVED BY THE SUBCONTRACTOR BY THE END OF THE JOB. JOB TO BE LEFT SUFFICIENTLY CLEAN AS TO WARRANT COUNTY APPROVAL.
  21. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND FEES. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTIONS AS MAY BE REQUIRED FOR COMPLETION OF THE JOB AS PER ALL GOVERNING AGENCIES.
  22. SUBCONTRACTOR TO PROVIDE COST ESTIMATE FOR ALL WORK SHOWN ON DRAWINGS AND WORK NORMALLY REQUIRED TO CARRY OUT THE DESIGN INTENT OF THESE DRAWINGS.
  23. ALL CONDUCTORS THROUGHOUT SHALL BE INDIVIDUALLY SHIELDED.
  24. THE AUXILIARY FLASH SHALL HAVE 4 SHIELDED CONDUCTOR #14.
  25. THE CAMERA RED AND YELLOW PHASE SHALL HAVE 4 SHIELDED CONDUCTORS #14.
  26. THE LOOP DLCS SHALL HAVE SHIELDED CONDUCTOR #14.
  27. DRAWINGS ARE NOT TO BE SCALED. WORK SHALL BE GOVERNED BY DIMENSION ONLY. DISCREPANCIES BETWEEN THE DRAWINGS AND/OR THE EXISTING SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF LMMS IMMEDIATELY.
  28. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING PHOTO ENFORCEMENT SIGNAGE PER COUNTY STANDARDS.
  29. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE RESPECTIVE OWNERS AND OTHER AGENCIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
- CONTACT:  
GAS COMPANY  
WATER DISTRICT  
PHONE COMPANY  
CABLE COMPANY  
MISS UTILITY OR DIG ALERT

SCOPE OF WORK FOR THIS PROJECT:

CONSTRUCTION OF RED LIGHT PHOTO CITATION SYSTEM AND ALL RELATED AND NECESSARY TRAFFIC SIGNAL MODIFICATIONS AS SHOWN AND NOTED ON THIS DRAWING PLAN.

NOTE:  
ALL EXISTING CONDITIONS AS SHOWN ON THE DRAWING ARE INCLUDED FOR SUBCONTRACTOR CONVENIENCE ONLY. SUBCONTRACTOR SHALL EXAMINE THE SITE AND ALL AVAILABLE CONSTRUCTION DOCUMENTS TO DETERMINE THE EXTENT OF WORK REQUIRED. SUBCONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS AND IS TO REPORT ANY DISCREPANCIES TO LMMS PRIOR TO COMMENCING ANY WORK, OR UPON ANY DISCOVERY OF PREVIOUSLY UNKNOWN JOB CONDITIONS.



CONSTRUCTION LEGEND:

1. LMMS TO PROVIDE POLE CAMERA UNIT. SUBCONTRACTOR TO PROVIDE 2' x 2' x 2'6" PCC FOUNDATION. (SEE DETAIL) SUBCONTRACTOR SHALL INSTALL 4" FOUNDATION CAP AT LEAST 30" WIDE. POLES SHALL BE FIELD LOCATED AND SHALL BE 2'6" MIN. FROM FACE OF CURB.
2. INSTALL 3 #10 THW FOR 120 V POWER, COLOR CODE RED, WHITE AND BLACK.
3. INSTALL 2" CONDUIT PER SPECIFICATIONS. STUB INTO NEW PULLBOX OR EXISTING PULLBOX.
4. CONNECT 3 WIRE CIRCUIT TO CONTROLLER ON SEPARATE CIRCUIT BREAKER FOR 120V POWER, ROUTE TO ALL CAMERAS ALONG SPAN WIRE AND OR WITHIN CONDUIT.
5. INSTALL 3 CONDUCTOR #14 SHIELDED CABLE FOR 120V RED AND YELLOW PHASE CONTROL, ROUTE FROM CAMERA TO CONTROLLER.
6. INSTALL (2) - 2 CONDUCTOR SHIELDED DLCS COLEMAN STOCK #95253.
7. INSTALL 1" LIQUID TIGHT NON METALLIC CONDUIT TO SLEEVES (2EACH) TO PULLBOX. EACH LOOP LEAD WIRE SHALL BE CUT IN SEPERATE CHANNELS.
8. INSTALL TWO(2) LOOP DETECTORS, COLEMAN STOCK #513496. SEE NOTE IN GENERAL CONSTRUCTION NOTES. REPLACE ALL DAMAGED TRAFFIC SIGNAL LOOPS PER SPECIFICATIONS.
9. INSTALL NEW PULLBOX - SEE NOTE #9 IN GENERAL CONSTRUCTION NOTES.
10. INSTALL INLINE FUSE HOLDERS AT 10 AMP IN CONTROLLER, INSTALL (2) INLINE FUSE HOLDERS AT 5 AMP IN #14 CONDUCTORS. INSTALL GROUND ROD & #10 SOLID GROUND WIRE TO CAMERA.
11. INSTALL 3 PAIR INDIVIDUALLY SHIELDED CONDUCTORS FOR FLASH TRIGGER AND POWER.
12. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING & INSTALLING 9' AUXILIARY FLASH POLE WITH BREAK AWAY BASE. INSTALL TYPE 1A FOOTING WITH A 12" BOLT CIRCLE FOR FLASH POLE.
13. MINIMUM DISTANCE FROM FIRE HYDRANT SHALL BE FIVE FEET (5').
14. INSTALL 1 1/2" PVC CONDUIT RISER WITH WEATHERHEAD
15. INSTALL ONE (1) 6'x30" LOOP DETECTOR.
16. THE CONTRACTOR IS DIRECTED TO CUT INDUCTIVE LOOPS IDENTIFIED IN NOTES 8 AND 14 PRIOR TO WIRING ANY INDUCTIVE LOOPS.

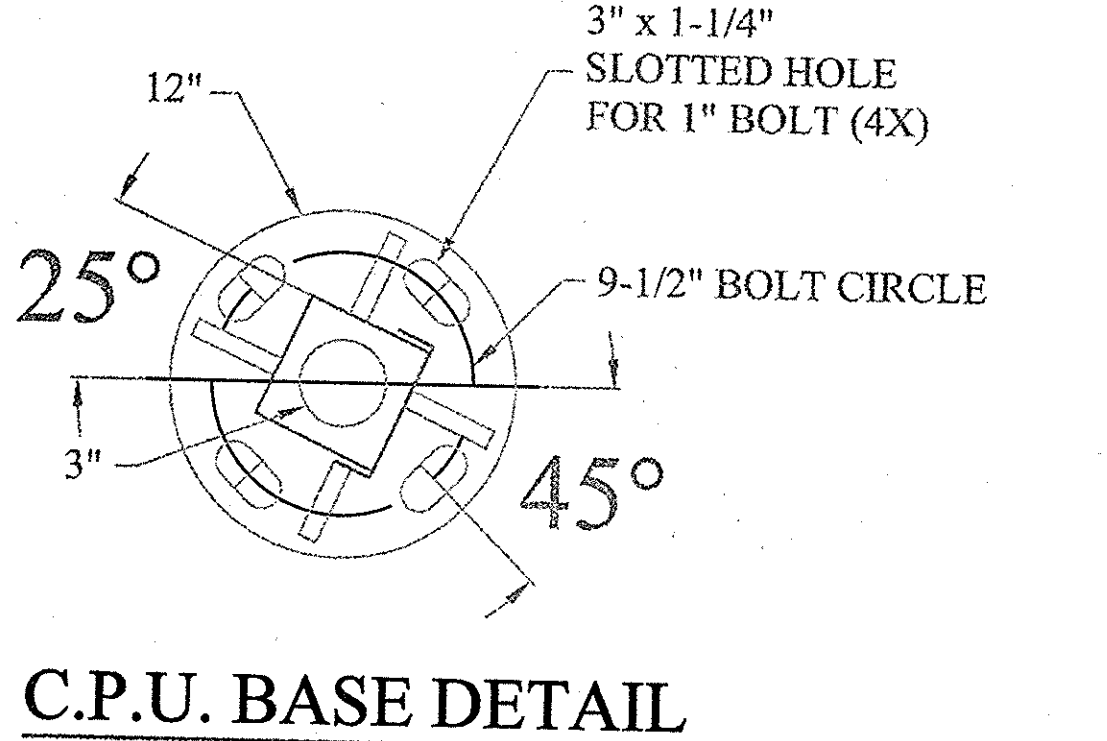
SUBCONTRACTOR MUST NOTIFY THE BELOW LISTED AGENCY AT LEAST THREE (3) WORKING DAYS PRIOR TO COMMENCEMENT OF EXCAVATION. MISS UTILITY.

1-800-282-8555

AND

MARYLAND STATE HIGHWAY ADMINISTRATION

MR. BOB SNYDER @ 410-787-5800



**Volkert & Associates, P.C.**  
P.O. BOX 50087 • WASHINGTON, DC 20091

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